

# Ahmed Zaki Zaki Mousa

## Senior Electrical Design & Site Engineer

Riyadh. Saudi Arabia. | +966 570 53 83 20

[ahmedzaki2045777@gmail.com](mailto:ahmedzaki2045777@gmail.com)

<https://www.linkedin.com/in/ahmed-zaki-a03624213>

### Career Summary

A highly skilled and dedicated Senior Electrical Design and Site Engineer with 7 years of extensive experience in the electrical engineering field. Proficient in both design and maintenance, with a proven track record of delivering high-quality electrical systems for various industrial and housing projects. Demonstrates strong expertise in the design of electrical panels, PLC systems, and electrical engineering drawings, as well as hands-on experience in site engineering, troubleshooting, and maintaining complex electrical equipment.

### Work Experience

- **Abdullah Ibrahim Al Sayegh Company** | Riyadh . Saudi Arabia. | 2024 – Present  
**Job Title** : Site & Technical Office Electrical Engineer  
**Project** : TSE Network for Green Riyadh Program -Group 3  
**PMC** : ILF  
**Owner** : Royal Commission for Riyadh City



الهيئة الملكية لمدينة الرياض  
ROYAL COMMISSION FOR RIYADH CITY



#### Job Description :

1. Designed Electrical Drawings .
  - ♦ Fiber optic cable duct routing layout
  - ♦ Single Line Diagram for Panel Boards.
  - ♦ Earthing System Details
  - ♦ General Installation Details for Electrical.
  - ♦ Lighting for Shut Off Valve Chambers.
  - ♦ Power and Control Cable Routing Layout for Shut Off Valve Chamber.
  - ♦ Power and Control Cable Routing for scope length
  - ♦ Plan and Section of Low Voltage Handholes
  - ♦ Pressure Instrument Transmitter General Arrangement Details
  - ♦ Level Switch Hook up Details
  - ♦ Panel Board Schedules For Shelter Room
  - ♦ Piping and Instrumentation Diagram
  - ♦ RTU Cabinet General Arrangement Drawing
  - ♦ RTU Cabinet SCADA System Architecture Network Diagram
  - ♦ Installation Section details of Electrical meter box
  - ♦ Installation Section details of Step up dry transformer
2. Implementation of earthing and lighting system
3. Implementation of temporary and permanent cathodic protection for carbon steel pipe (1800 mm)
4. Installation and test FOC Conduit
5. Installation and test pressure transmitter and level switch
6. Integrated and configured Remote Terminal Units (RTU ) on-site for effective remote monitoring and control
7. Planned, routed, and supervised the installation of power and control cables, optimizing performance and safety.
8. prepared panel board schedules and oversaw the on-site installation of circuit breakers and switches.
9. Implementation of Electrical works in 10 micro tunnels



- **AL-AJMI Comapny** :| Jazan . Saudi Arabia. | 2023 – 2024

**Job Title** : Electrical Site Engineer  
**Project** : King Abdullah Suburb Housing  
**PMC** : Dar Al Riyadh  
**Owner** : Ministry of Municipalities and Housing



**Job Description :**

1-Implementation of electrical works including distribution, power and low current system

- **Elsewedy Electric** | Egypt. | 2021 – 2023

**Job Title** : Site & Technical Office Electrical Engineer  
**Project** : New Capital City  
**PMC** : Ace PM  
**Owner** : New Urban Communities Authority



**Job Description :**

1. Full Operation and Maintenance for power internal distribution networks
2. Full operation and maintenance for SCADA system

- **El Hadi Company** | Egypt. | 2020 – 2021

**Job Title** : Maintenance engineer

**Job Description :**

1. Diagnosed and repaired electrical equipment malfunctions using diagnostic tools and schematics, reducing equipment downtime and improving production efficiency weekly
2. .Design and implementation three pasta production line work with PLC
3. Design an electrical panel for a silo production line in a flour mill
4. Design and implementation of electrical panel for package machine with (LS PLC)and(LS HMI)



- **El Nasr Deying Company** | Egypt. | 2018 – 2020

**Job Title** : Maintenance engineer

**Job Description :**

1. An electrical maintenance engineer responsible for troubleshooting and maintaining electrical equipment
2. Design an electrical panel of power factor correction
3. Design an electrical panel for Dye production line



## Education

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### Bachelor's degree in Engineering . Mansoura University

- **Department** : Electrical Engineering
- **Major** : Electrical Power and Machines
- **Grade** : Good
- **Duration** : 2013 - 2018



## Courses & Certificate

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- **Diploma of low voltage electrical distribution System Design**
  1. Lighting
  2. Power
  3. Panel schedule & Cable Sizing
  4. Earthing & Lightning Protection Systems
  5. Cable Routing
  6. Short circuit & Voltage Drop Calculations
  7. BOQ
- **Diploma of Industrial Automation**
  1. PLC
  2. HMI
  3. CLassic Control
  4. Inverters (ABB - Schneider - SAJ - INVT - LS )
- **Diploma of Light Current Systems**
  1. Sound System
  2. CCTV System
  3. Fire Alarm System
  4. Telephone System
  5. Access Control System
  6. MATV System
  7. Queuing System
  8. Intercom System
- **Diploma of Process instrumentation field Measurements**

( smart - electronic -pneumatic) ( operation - installation - Calibration - configuration )

  1. Flow Measurements
  2. Pressure Measurements
  3. Pressure Transmitter Calibration Procedure
  4. Level Measurements
  5. Level Switches
  6. Thermocouple Installation and Testing
  7. Temperatuer Measurements
- **diploma of medium voltage**
  1. RMU
  2. Switch gear
- **Cathodic protection system**
  1. Implementation of temporary cathodic protection
  2. Implementation of Permanent cathodic protection

## **Programs**

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- XP-Bulider ( LS HMI )
- XG5000 ( LS PLC )
- Autodesk AutoCAD
- Revit
- Etab
- Ecodial
- Dialux evo
- Orifice Flow Calculator
- Microsoft Office (Word, Excel, Power Point, Access Control)

## **Language**

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- Arabic ( Mother tongue )
- English ( Fluent )

## **Personal Details**

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- Date of Birth : 01/01/1995
- Nationality : Egyptian
- Iqama status : Transferable
- Iqama NO : 2564823728
- Passpaort NO : A34623008
- Marital Status : single
- Saudi driving license : valid





00828967



# جامعة المنصورة

## شهادة تخرج

تشهد كلية الهندسة

أن السيد / احمد زكى زكى موسى

المولود في مركز المحلة الكبرى - الغربية بتاريخ ١٩٩٥/٠١/٠١

والذي يحمل بطاقة قومية رقم ٢ ٩ ٥ ٠ ١ ٠ ١ ١ ٦ ٠ ٧ ١ ٣ ٤

قد نجح في امتحان درجة بكالوريوس الهندسة تخصص هندسة القوى والآلات الكهربائية

بتقدير عام جيد // (٦٩,٨٩%) بمجموع تراكمي ٥٢٤٢ من ٧٥٠٠

في دور يونيو سنة ٢٠١٨

وقد حصل في مادة المشروع تصميم عاكس شمسي احادي الوجه في منظومة الطاقة الشمسية على تقدير ممتاز

وقد اعتمد مجلس الكلية النتيجة في ٢٠١٨/٠٧/١٦

ومجلس الجامعة في ٢٠١٨/٠٧/٣١

وقد اعطيت له هذه الشهادة بناءً على طلبه لتقديمها إلى الجهات المختصة.

تأشير رئيس الجامعة لشؤون البيئة و المشرف على الكلية

أ.د / محمود محمد المليجي

قام بعمل وكيل الكلية لشؤون التعليم والطلاب

أ.د / محمد جمال إبراهيم محمد مهدي

قام بعمل مدير إدارة التسجيل والخريجين

سماحة كامل عبد الهادي عوض

الموظف المختص

أ.د /

نظام شؤون الطلاب الموحد للجامعة - مركز تقنية الاتصالات والمعلومات في ٢٠١٨/٠٨/٠٧

هذه البيانات موثقة على قاعدة بيانات الجامعة تحت رقم ٨٠٠٠٠٠٢٦٠٠٣٢٨٠ ويمكن الرجوع اليها على الانترنت طلي العنوان التالي

<http://graduates.mans.edu.eg>

الكلية معتمدة من الهيئة القومية لضمان جودة التعليم والاعتماد بقرار مجلس إدارة الهيئة

رقم (١٥٠) بتاريخ ١٩-١-٢٠١٦ وتسري شهادة الاعتماد لمدة خمس سنوات

Membership no.: 973001

عضوية رقم: 973001

In accordance with the Regulations of Saudi Council of Engineers by Royal Decree M/36 Date 26/9/1423H and the Engineering Professions Practice Regulation by Royal Decree M/36 Date 19/4/1438 H. SCE has approved:

استناداً إلى نظام الهيئة السعودية للمهندسين الصادر بالمرسوم الملكي رقم م/36 وتاريخ 26/9/1423هـ ونظام مزاولة المهن الهندسية الصادر بالمرسوم الملكي م/36 وتاريخ 19/4/1438هـ ولائحته التنفيذية فقد قررت الهيئة اعتماد:

Membership Category: Engineer

Specialization: Electrical Engineering

Membership Start Date: 9/21/2023



أحمد زكي زكي موسى

فئة العضوية: مهندس

التخصص: الهندسة الكهربائية

تاريخ بداية العضوية: 9/21/2023

This Certification is valid until: 21 September 2024

هذه الشهادة صالحة إلى تاريخ: 18 ربيع الأول 1446

Secretary General الأمين العام

المكاف / م. عبدالناصر بن سيف العبداللطيف

# CERTIFICATE

Smart center and Electrical Design Home hereby grant a Certificate to  
Ahmed Zaki Zaki Mousa

for the completion of the requierments of Electrical Distribution Course

The Course Program Covered The Following Topics

Base Line Introduction, Lighting Design, Power System Design, Power Factor Harmonics, Low Voltage Circuit Breakers, AutoDesk Auto Cad 2D, DIALUX For Lighting, ECODIAL, Graduation Project.

Instructor *Mohamed Elghanam*

Awarded On : Aug, 2017

SMART CENTER  
Courses & Training  
01009215484

SMART  
COURSES & TRAINING CENTER



ELECTRICAL DESIGN  
HOME





Date : 11 Nov 2023

Ref.: EE/HR/23/EC/614244

### Employment Certificate

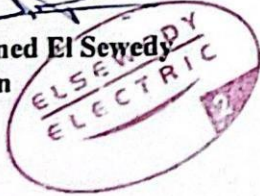
This is to certify that **Eng. Ahmed Zaki Zaki Moussa** was working with Elsewedy electric group in Egypt as Site & Technical office electrical engineer

Started 1 March 2021 up till 11 Nov 2023 in New Capital City Infra Structure Project

This certificate was issued to him as per his request without any liability on the company

We wish him all the best in his future career

~~Eng. Ahmed El Sewedy~~  
Chairman



Plot No. 27 1 st District , 5<sup>TH</sup> Settlement , PO Box 311, New cairo 11835, Egypt

Tel.: (+202) 275 99700 / 701 Fax: (+202) 275 99 731 Email: [info@elsewedy.com](mailto:info@elsewedy.com)

[www.elsewedyelectric.com](http://www.elsewedyelectric.com)



التاريخ : 18 ديسمبر 2020

### شهادة خبرة

تشهد شركة النصر للغزل والنسيج والصباعة بالمحلة الكبرى بان المهندس احمد ذكي ذكي موسي قد عمل لديها بوظيفة مهندس كهرباء صيانة من شهر 15 أغسطس 2018 الي 18 ديسمبر 2020 بمختلف مصانع ومشاريع الشركة.  
نتمنى له النجاح و التوفيق في حياته المستقبلية و المهنية.  
و قد تم إعطائه هذه الشهادة بناء علي طلبه بدون أدنى مسئولية علي الشركة.

مدير الموارد البشرية

محمد النبراوي  


19 شارع البحر بالمحلة المحلي الكبرى - وسط الدلتا - الغربية - مصر

0402054777 ت - 0402054888 فاكس



### CONSTRUCTION OF TSE NETWORK FOR GREEN RIYADH PROGRAM - GROUP 03



Comment Sheet No.	CRS Rev.	CRS Status	Issued Date	LEGEND:
GRP-08-TS000-SGCRS-ELE-CRS-00069	01	A	26/03/2025	A = Approved B = Approved with comments C = Approved with comments & resubmit E = Rejected F = No action

Drawing / Document No.	Rev.	Drawing / Document title
GRP-08-TS000-SGCRS-ELE-CVS-00009	01	CV for Electrical Site and Design Engineer. Mr. Ahmed Zaki Zaki Mousa

Reviewed by GRP/PMC					Replied by Contractor			
Doc. Rev. No	Received Date	Replied Date	Doc. Status	CRS Status	Doc. Rev. No	Received Date	Replied Date	Doc. Status
00	20/08/2024	15/09/2024	IFA	B	01	15-09-2024	13-03-2025	
01	13/03/2025	26/03/2025	IFA	A				

Reviewers	Name	Abbreviation	Discipline
	Ammar Masafah	AM	CE

1.	GRP/PMC Comments Rev00	Contractor's Reply
AM	Contractor supposed to be submit from the beginning of the project, however project is under running conditions (13 month elapse from the contract duration), no object principle to accept as <b>Design Engineer</b> .	Please accept for final approval.
1.1	GRP/PMC Comments Rev01	Contractor's Reply
	Closed.	

Record Details    Workflow Progress    Attachments

Title: G3 - GRP-08-TS000-SGCRS-ELE-CVS-00009- SUB -000098 REV.01 - CV    Record Number:    Current Step: End    BP Setup Used: General Submittal

View Graphic...    Filter By: Visited Steps

Step Name	Assignee	Company	Status	Action	Completion Date
Creation	20230501122 D...	Abdullah Ibrahim ...	Completed	Send For DC Review	08/20/2024 05:54 AM (UTC-8)
DC Review	20210808089 D...	ILF Consulting En...	Closed	Send for Review	08/20/2024 06:15 AM (UTC-8)
Reviewer	20210808089 E...	ILF Consulting En...	Closed	Send for PM Review	09/14/2024 10:21 PM (UTC-8)
Project Manager ...	20210808089 E...	ILF Consulting En...	Closed	Response	09/15/2024 04:58 AM (UTC-8)
Initiator Revise	20230501122 D...	Abdullah Ibrahim ...	Completed	Re-Submit	03/13/2025 01:37 AM (UTC-8)
DC Review	20210808089 D...	ILF Consulting En...	Completed	Send for Review	03/13/2025 01:46 AM (UTC-8)
Reviewer	20210808089 E...	ILF Consulting En...	Completed	Send for PM Review	03/26/2025 01:17 AM (UTC-8)
Project Manager ...	20210808089 E...	ILF Consulting En...	Completed	Response	03/26/2025 01:19 AM (UTC-8)
End	20230501122 D...	Abdullah Ibrahim ...	View Only		
End	20230501122 P...	Abdullah Ibrahim ...	View Only		



# Certificate

This is to certify that

Ahmed Zaki Zaki Mousa

Has Successfully Completed Our Training Course  
Instrumentation Process Measurements (20 HR)



From : 14-4-2025

To : 5-5-2025

With General Grade :

*Excellent*

Training Manager

Instructor

*E/Mahmoud Abd Elfattah*



CERTIFICATE

Saudi Council of Engineers is hereby  
granted this certificate to

يسر الهيئة السعودية للمهندسين  
أن تمنح هذه الشهادة إلى

AHMED ZAKI ZAKI MOUSA

احمد زكي زكي موسى

for attending

لحضور ندوة

Power Quality for Electrical Network  
(Low/Medium/High Voltage)

Power Quality for Electrical Network  
(Low/Medium/High Voltage)

Duration: 1

عدد الساعات: 1

Date: 13/05/2025

في تاريخ: 15/11/1446



الأمين العام  
م. عبد المحسن بن فاويز المجنون



Saudi Council of Engineers is hereby  
granted this certificate to

يسر الهيئة السعودية للمهندسين  
أن تمنح هذه الشهادة إلى

AHMED ZAKI ZAKI MOUSA

احمد ذكي ذكي موسى

for attending

لحضور ندوة

Financial Modelling of Energy Projects

Financial Modelling of Energy Projects

Duration: 1

عدد الساعات: 1

Date: 06/05/2025

في تاريخ: 08/11/1446



الأمين العام  
م. عبد المحسن بن زاوية المجنون

